S4E560-AQ01-01

AC axial fan - HyBlade®

sickled blades (S series)

with guard grille for short nozzle

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Nominal data

Type	**S4E560-AQ01-01**
Motor	**M4E110-IA**

Phase		1~
Nominal voltage	[V]	230
Frequency	[Hz]	50
Type of data definition		ml
Valid for approval / standard		CE
Speed	[min^{-1}]	1275
Power input	[W]	1090
Current draw	[A]	4.76
Motor capacitor	[µF]	20
Capacitor voltage	[VDB]	450
Max. back pressure	[Pa]	160
Max. ambient temperature	[°C]	55

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

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Technical features

Leackage current	<= 3,5 mA
Size	560 mm
Operation mode	S1
Direction of rotation	Counter-clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Electrical leads	Via terminal box, integrated capacitor connected via terminal box
Humidity class	F3-1
Blade angle	-5°
Direction of air flow	"V"
Insulation class	"F"
Cable exit	Axial
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	20 kg
Material of terminal box	ABS plastic, black
Material of blades	Aluminium sheet insert, sprayed with PP plastic
Material of guard grille	Steel, phosphated and coated in black plastic
Motor protection	Thermal overload protector (TOP) brought out
Product conforming to standard	CE; EN 61800-5-1
Surface of rotor	Cast in aluminium
Number of blades	5
Type of protection	IP 54
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	GOST; VDE

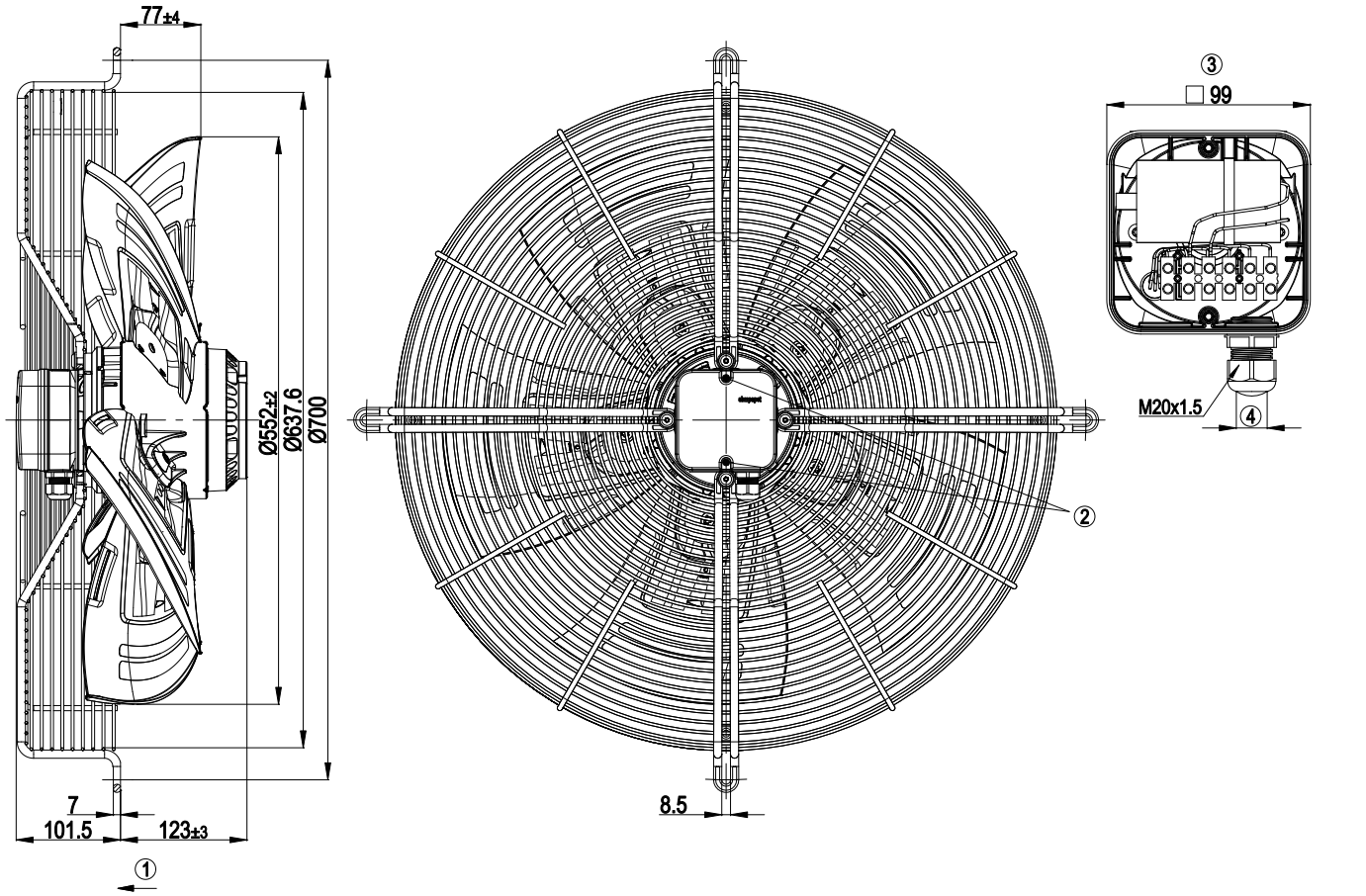
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Product drawing



1	Direction of air flow "V"
2	Tightening torque 0.8±0.15 Nm
3	Illustration without terminal box cover
4	Cable diameter: min. 6 mm, max. 12 mm, tightening torque: 2.0±0.3 Nm

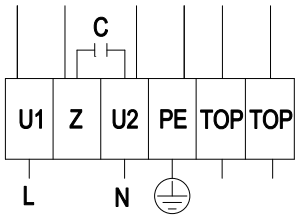
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Connection screen



L	= U1 = blue	Z	brown	N	= U2 = black
PE	green / yellow	TOP	grey		

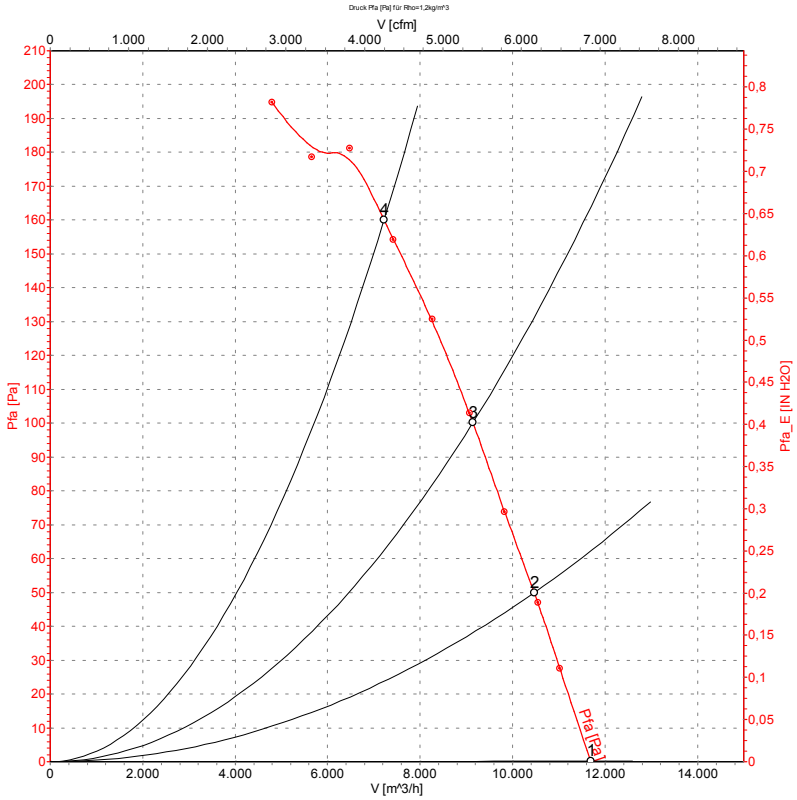
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Charts: Air flow 50 Hz



Measurement: LU-111142

Measured values

	U	f	n	P_1	I	LpA_{ss}	LpA_{ds}	LwA_{ss}	LwA_{ds}	$\hat{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[dB(A)]	[dB(A)]	[dB(A)]	[dB(A)]	[m^3/h]	[Pa]
1	230	50	1370	872	3.81	69	61	76	77	11690	0
2	230	50	1340	951	4.15	68	59	75	76	10470	50
3	230	50	1315	1017	4.44	66	58	73	74	9140	100
4	230	50	1275	1090	4.76	69	60	76	76	7220	160

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